



Lab - Threat Protection

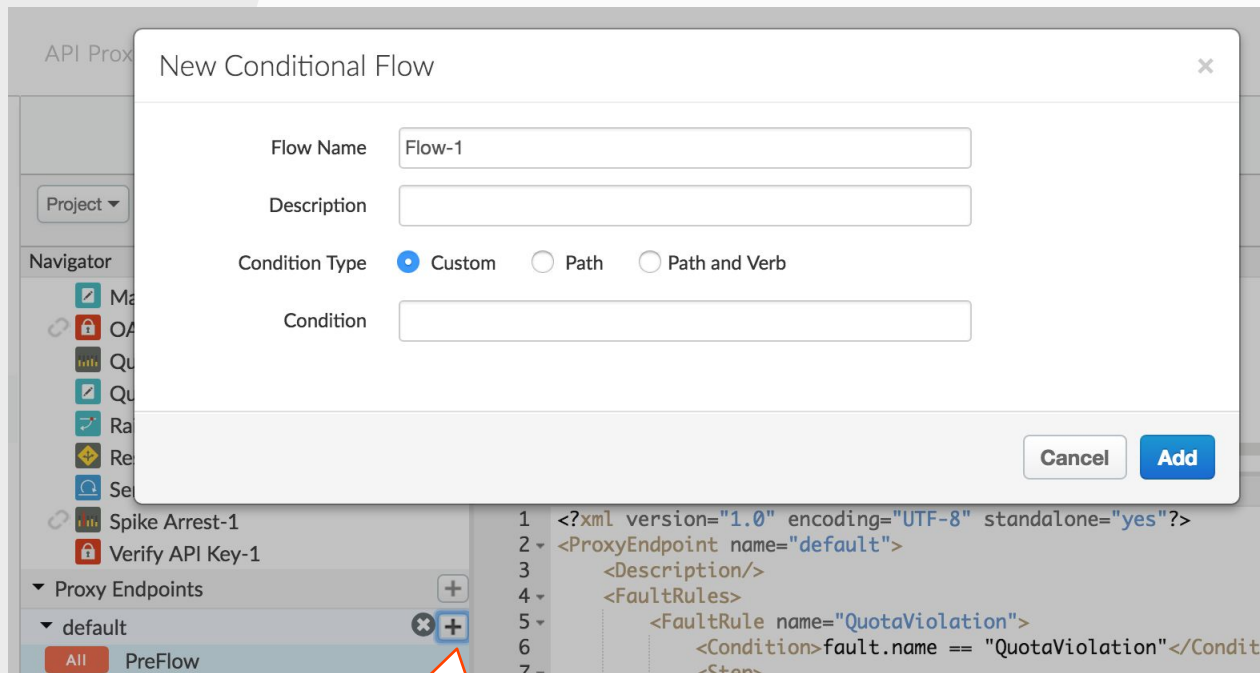
Wherein ...

- We would like to implement checks on inbound JSON payloads to insure they conform to our known limits,
- Thereby protecting our systems from JSON payload threats

Create a POST resource or Conditional flow

Create a new POST resource in the Proxy Endpoint

- Condition Type:
 - path and verb
 - Verb: POST --
 - Path: /chefs



Add a new flow

Add JSON Threat Protection

- Add the JSON Threat protection policy to the [request] POST flow that you created :

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<JSONThreatProtection async="false" continueOnError="false"
enabled="true" name="JSON-Threat-Protection-1">
  <DisplayName>JSON Threat Protection-1</DisplayName>
  <Properties/>
  <ArrayElementCount>0</ArrayElementCount>
  <ContainerDepth>1</ContainerDepth>
  <ObjectEntryCount>4</ObjectEntryCount>
  <ObjectEntryNameLength>50</ObjectEntryNameLength>
  <Source>request</Source>
  <StringValueLength>250</StringValueLength>
</JSONThreatProtection>
```

- Change the default configuration options in the policy to match the above values

Add Step

Policy Instance

 Reset Quota

SECURITY

-  Basic Authentication
-  XML Threat Protection
-  JSON Threat Protection
-  Regular Expression Protection
-  OAuth v2.0
-  Get OAuth v2.0
-  Set OAuth v2.0
-  Delete OAuth v2.0
-  OAuth v1.0a
-  Get OAuth v1.0a
-  Delete OAuth v1.0a

JSON Threat
Protection policy

Test

- A Chef object is shown below and we need to make sure all requests adhere to this format.

NOTE: Change the name attribute value to something you can identify with later.

```
{ "name": "SteveJohnson", "education": "Street", "description": "TBD",  
  "tagline": "I love me some hamburgers testing my api" }
```

- Test the endpoint with the following additional payloads:

NOTE: be sure to set content-type:application/json

```
{ "name": "SteveJohnson", "education": "Street", "description": "TBD",  
  "tagline": "I love me some hamburgers testing my api", "hack": "Injecting bad burger!" }
```

```
{ "badParent" : { "name": "SteveJohnson", "education": "Street", "description": "TBD",  
                  "tagline": "I love me some hamburgers testing my api" } }
```

THANK YOU